

AMENDED CLAIMS

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1. A long life gas engine oil comprising a major amount of an oil of lubricating viscosity and a minor amount of additives comprising phenolic anti oxidants and viscosity index improver, but which does not contain aminic anti oxidant, wherein the oil of lubricating viscosity has a viscosity of between about 9 to 20 cSt at 100°C and wherein the phenolic anti oxidant is present in an amount in the range of about 0.1 to 2 vol% and the viscosity index improver is present in an amount in the range of about 0.1 to 3 vol%.

2. The long life gas engine oil of claim 1 wherein the oil of lubricating viscosity is a natural oil, a synthetic oil or a mixture thereof.

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4. The long life gas engine oil of claim 2 wherein the phenolic anti oxidant is present in an amount in the range of about 0.3 to 1.75 vol% and the viscosity index improver is present in an amount in the range of about 0.2 to 2 vol%.

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6. A method for enhancing the life of gas engine oils as evidenced by a reduction in viscosity increase, oxidation, nitration, TAN increase, and TBN depletion, comprising adding to a gas engine oil base stock having a viscosity at 100°C of from 9 to 20 cSt a minor amount of an anti oxidant in the range of about 0.1 to 2 vol% and a minor amount of a viscosity index improver in the range of about 0.1 to 3 vol%, wherein the anti oxidant is selected from the groups consisting of phenolic anti oxidants.

7. The method of claim 6 wherein the oil of lubricating viscosity is a natural oil, a synthetic oil or a mixture thereof.

AMENDED CLAIMS (continued)

A4
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9. The method of claim 7 wherein the phenol anti oxidant is added to the lubricating oil in an amount in the range of about 0.3 to 1.75 vol% and the viscosity index improver is added to the lubricating oil in an amount in the range of about 0.2 to 2 vol%.